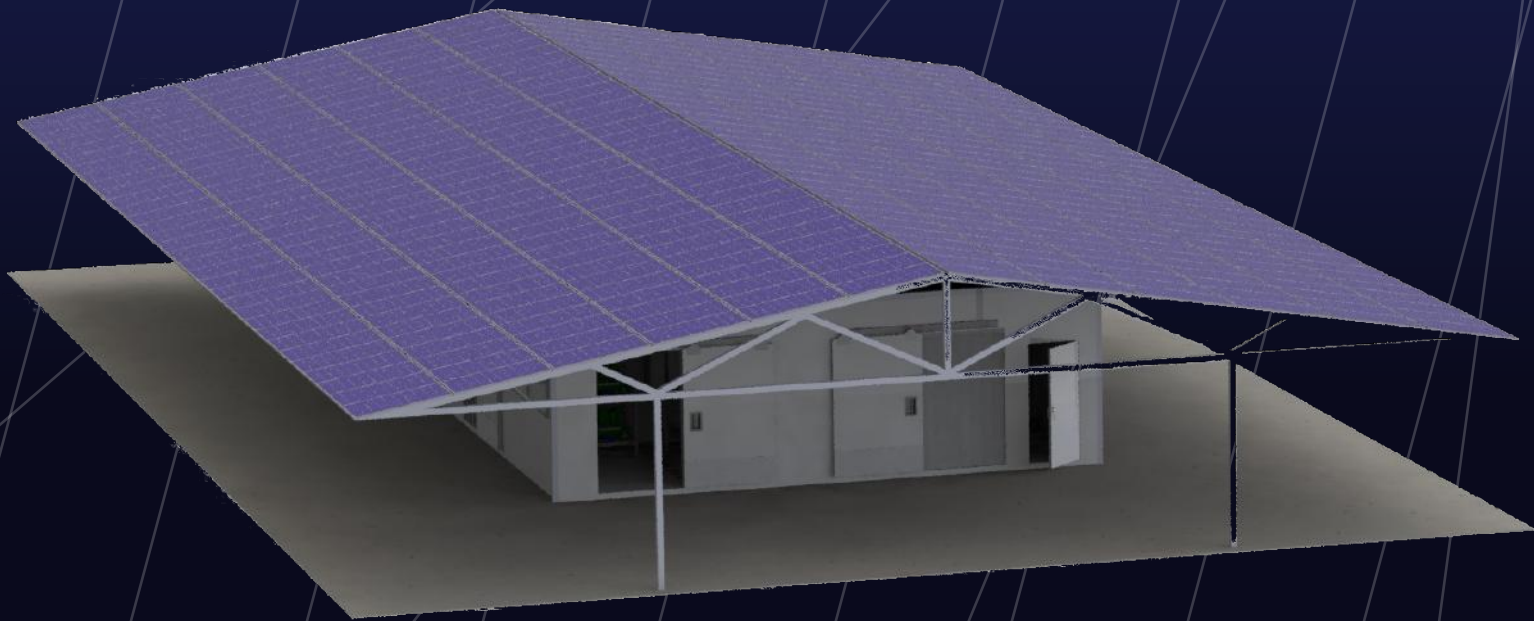


# HEUCH

## Solar Cold Chain Solutions Blast Freezer



### INSTANT RETURN + PROFIT IMPROVEMENT

#### 100% ENERGY INDEPENDENT

- NO GENERATORS OR GRID CONNECTIONS
- NO FUEL COST, LOGISTIC OR QUALITY ISSUES
- OPERATES 24 HOURS A DAY

#### QUIET, CLEAN + GREEN

- SUSTAINABLE POWER SOURCE
- OPERATE ANYWHERE
- NO NOISE OR EXHAUST POLLUTION

#### CUSTOM COLD STORAGE

- COOL ROOMS
- REFRIGERATED MARKET SPACES
- COLD STORAGE

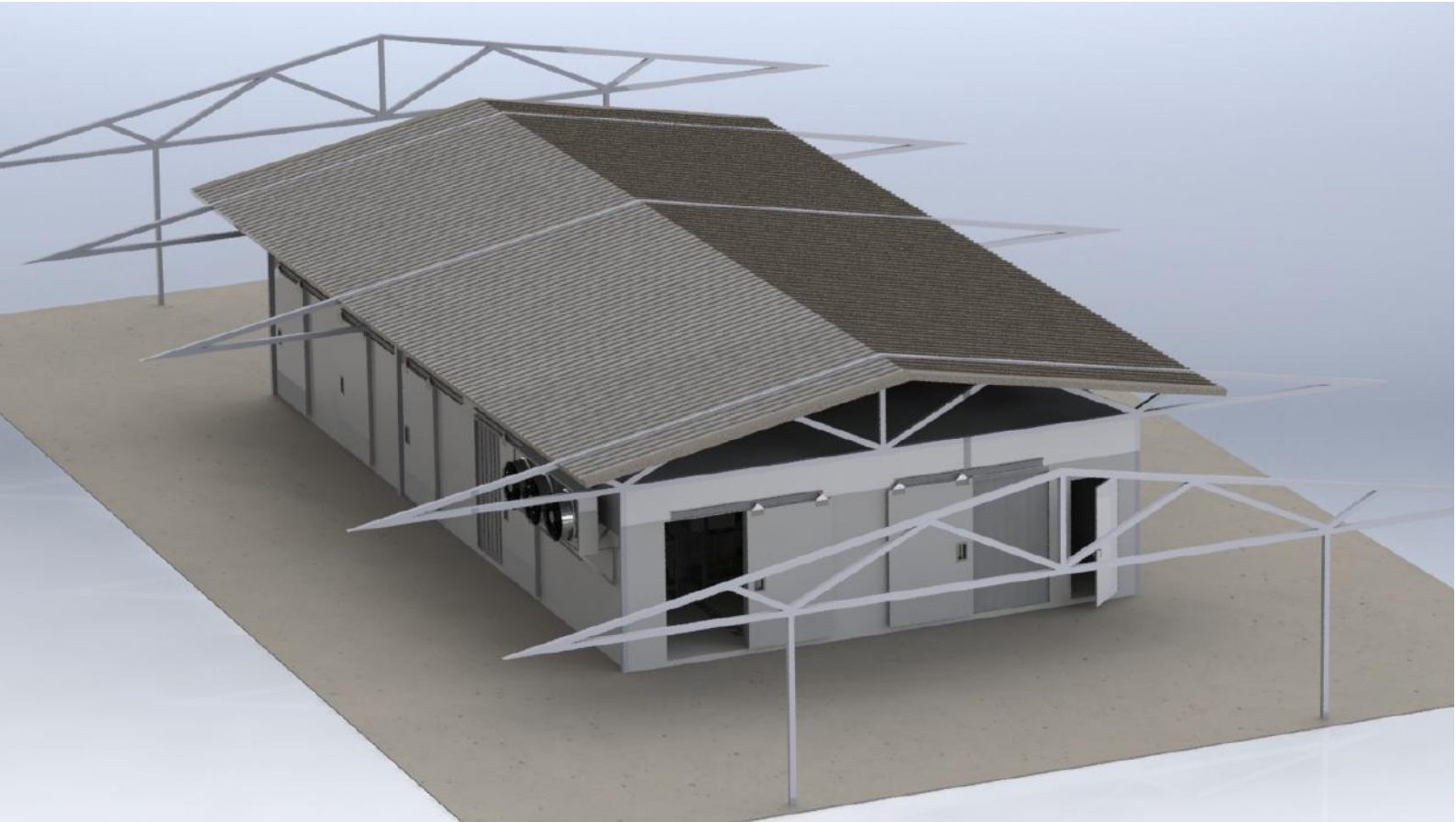
#### AUSTRALIAN DESIGNED + MADE

- HEAVY DUTY DESIGN
- QUALITY COMPONENTS
- WORLD WIDE SUPPORT+ MAINTENANCE

[heuch.com.au](http://heuch.com.au) | [napalima.com](http://napalima.com)



Tailored engineering of renewable energy solutions for remote cooling, drying + power production.



Delivered containerized or "flat packed" for site assembly, Heuch Solar Powered Refrigeration equipment is scalable in capacity and tailored to your specific needs.

### Features include

- 100% Off Grid
- No Diesel Generators
- No Fuel Quality or Logistic Problems
- Zero Operating Costs
- Low Maintenance
- Simple Operation
- Rugged + Reliable design
- Green, Quiet + Clean
- Excess Power Available For Lighting, Mobile Phone Charging, etc



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# HEUCH PTY LTD

A.B.N. 92 085 200 380

## Engineered Refrigeration and Process Cooling Equipment

35 NISSAN DRIVE, DANDENONG SOUTH, VICTORIA 3175

PHONE : 61-3-9793 6088 FAX : 61-3-9792 2660

EMAIL : [cool@heuch.com.au](mailto:cool@heuch.com.au) WEBSITE : [www.heuch.com.au](http://www.heuch.com.au)



Quality  
ISO 9001

SAI GLOBAL

Model	Blast Freezer 20 V3- General	Blast Freezer 20 V3 - Tuna
Manufacturer	Napalima(Indonesia) Heuch (Australia)	Napalima(Indonesia) Heuch (Australia)
Power	Solar only	Solar only
Mains Power	Not Required	Not Required
External Colour	White	White
Dimensions for Transport LxWxH (External):	6.1m x 2.44m x 2.9m	6.1m x 2.44m x 2.9m
Dimensions for Deployment LxWxH (External):	252m2	252m2
Temperature Style	Single Zone	Single Zone
<b>Common Options:</b>		
Automatic Control	Yes	Yes
CSC Plating	Yes	Yes
Door Curtains	Yes	Yes
Aluminium or Stainless Steel Sheet Floor	Yes	Yes
<b>Zone 1: Entry Zone (Ante Room)</b>		
	Blast Freezer to -40°C	Blast Freezer to -40°C
Operating times	24 hour	24 hour
Duty Style High/Medium/Low	High	High
Operational Description	Freezer	Freezer
Operating times	24 Hours	24 Hours
Max Weight per day (av. kg)	800 to 1000	800 to 1000
No. Of Compartments	1	3
Dimensions for Produce Compartment LxWxH (Internal):	1.8 x 1.8 x 1.5	1.8 x 0.5 x 1.6
Daytime Pull down time (hrs)	24	72
Entering Temperature	+4°C	+4°C
No of Produce Entry Doors	2	3
<b>Solar Power System</b>		
Panel Type	Photo Voltaic	Photo Voltaic
No Off	144	144
Voltage Control	Yes	Yes
Wiring System	Heuch	Heuch
Electrical Wiring Standards	AUSNZ:3000	AUSNZ:3000
Over-Current Protection	Fuse	Fuse
Disconnect Switch/Type	Per String/Manual	Per String/Manual
Mounting Structure	Anodised Aluminium	Anodised Aluminium

Australian Refrigeration Council Ltd National Refrigeration Authorisation Number AU05486

HEUCH AIR AND GAS DRIERS \* HEUCH INDUSTRIAL WATER CHILLER PACKAGES  
ENGINEERED COOLING SYSTEMS \* INDUSTRIAL REFRIGERATION \* HAZARDOUS AREA EQUIPMENT  
SPECIALISED AIR CONDITIONING \* ENVIRONMENTAL TEST CHAMBERS \* FREEZER ROOMS \* COOL ROOMS



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Quality  
ISO 9001



<b>Battery System</b>			
Battery Type	Industrial Quality AGM GELL CELL (VRLA)	Industrial Quality AGM GELL CELL (VRLA)	Industrial Quality AGM GELL CELL (VRLA)
Maintenance type	Maintenance Free	Maintenance Free	Maintenance Free
Design Life	15 Years	15 Years	15 Years
Cell type/No Off	Single / 12 @ 2V	Single / 12 @ 2V	Single / 12 @ 2V
Chassis	Heuch Type 1	Heuch Type 1	Heuch Type 2
Voltage Controller	MPPT	MPPT	MPPT
Transportable	Yes	Yes	Yes
Standard	IATA DGR Clause A67	IATA DGR Clause A67	IATA DGR Clause A67
Recyclable	Yes	Yes	Yes
Deep Discharge Protection	DIN 43 539 T5	DIN 43 539 T5	DIN 43 539 T5
Temperature Monitored	Yes	Yes	Yes
Electrical Wiring Standards	AUSNZ:3000	AUSNZ:3000	AUSNZ:3000
Over-Current Protection	Fuse	Fuse	Fuse
Disconnect Switch/Type	Per String/Manual	Per String/Manual	Per String/Manual
<b>Cooling System</b>			
Type	Refrigerated	Refrigerated	Refrigerated
No. of Cooling Zones	2	2	2
Environmental Style	Fully Sealed	Fully Sealed	Fully Sealed
Condenser	Air-Cooled	Air-Cooled	Air-Cooled
Condenser Fans	Variable Speed	Variable Speed	Variable Speed
Compressor	Hermetic	Hermetic	Hermetic
Compressor Motor	AC/DC	AC/DC	AC/DC
Cooler	Induced Draft Air	Induced Draft Air	Induced Draft Air
Cooler Fan	Variable Speed	Variable Speed	Variable Speed
Control System	Digital Display	Digital Display	Digital Display
Defrost/Type	Automatic/End of Cycle	Automatic/End of Cycle	Automatic/End of Cycle
<b>Building &amp; Insulation</b>			
Construction Type	ISO Container	ISO Container	ISO Container
CSC Plating	Yes	Yes	Yes
Insulation/minimum Thickness	Yes/100mm	Yes/100mm	Yes/100mm
Floor type	Insulated with wearing surface	Insulated with wearing surface	Insulated with wearing surface
Doors/Type	Yes/Sliding	Yes/Sliding	Yes/Hinged
Door Curtains	Yes	Yes	Yes
Condensate Drain	External	External	External
LED internal Lighting	Yes	Yes	Yes
LED Entry Lighting	Yes	Yes	Yes

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